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4, 7TH MAIN MALLESWARAM BANGALORE -3

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2022-03-18-11 Date: 29-10-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.52	
2	Specific Gravity	2.53	
3	Material finer than 75 micron(%)	7.3	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements

Note

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All information furnished by Customer Representative

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Authorized Signatory
Quality Manager

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ದಿನಾಂಕ: 30.12.ವೃಷಭ
ಪರಿಶೀಲಿಸಿ, ದೃಢೀಕರಿಸಲಾಗಿದೆ.

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-03-10-11** **Date: 21-10-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP,
Address	:	Shettyhalli Sub Division, BBMP, Bangalore
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli Sub Division
Agency	:	Sri Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W D/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-10-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6 11) 1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4 4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	19-10-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.76	-
2	Finess by Air permeablity method (m^2/kg Min)	292.1	225m^2/kg. Min
3	Density (gm/cc)	3.12	-
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements

Note:

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Kaveri SW
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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2022-03-10-11 **Date: 16-11-21**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore
Address	:	Shettyhalli Sub Division, BBMP, Bangalore
Project Name	:	Construction of Streehakti Bhavan at Abbigere in Ward No.12 Shettyhalli Sub Division
Agency	:	Sri Shankaramppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DO/W/ O.579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-10-21
Sample Type	:	Bota Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification . IS 4031 Part 4: Determination of Consistency of Standard Cement Paste. Clause 5 IS 4031 Part 6: Determination of Compressive Strength. Clause 6
Date of test	:	19-10-21
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements

Note:

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-03-10-11 **Date: 17/11/2021**

Customer : Assistant Executive Engineer, Shettyhallli Sub Division, BBMP, Bangalore.

Address : Shettyhallli Sub Division, BBMP, Bangalore.

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli Sub Division

Agency : Sri Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-11-21

Customer ID : Concrete for Sump Btm

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 15/11/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete for Sump Btm	M20	08/11/2021	15/11/2021	150.53 X 150.04 X 150.89	22587	8.820	408.8	18.1	18.1
2	Concrete for Sump Btm	M20	08/11/2021	15/11/2021	149.34 X 151.25 X 151.25	22588	8.848	408.6	18.1	
3	Concrete for Sump Btm	M20	08/11/2021	15/11/2021	151.75 X 151.69 X 150.34	23020	8.987	416.8	18.1	

* The results obtained are satisfactory as per standard requirements

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-03-10-11 **Date: 19/11/2021**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore

Address : Shettyhalli Sub Division, BBMP, Bangalore

Project Name : Construction of Srishakti Bhavan at Abbigere in Ward No 12 Shettyhalli Sub Division

Agency : Sri Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W-O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-11-21

Customer ID : Concrete for Sump Wall Allround

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 17/11/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete for Sump Wall Allround	M20	10/11/2021	17/11/2021	149.42 X 149.58 X 150.61	22350	8.201	407.9	18.3	18.4
2	Concrete for Sump Wall Allround	M20	10/11/2021	17/11/2021	149.14 X 151.38 X 150.81	22577	8.338	421.6	18.7	
3	Concrete for Sump Wall Allround	M20	10/11/2021	17/11/2021	150.63 X 151.43 X 149.78	22809	8.878	415.2	18.2	

* The results obtained are satisfactory as per standard requirements

Note:

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-03-10-11** **Date: 20-10-21**
Customer	:	Assistant Executive Engineer, Shettyhallli Sub Division, BBMP, Bangalore
Address	:	Shettyhallli Sub Division, BBMP, Bangalore
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No.12 Shettyhalli Sub Division.
Agency	:	Sri.Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091
Customer Reference	:	EE/DD/W.O:579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-10-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	18-10-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	298	298	6.0	94.0	90-100
3	10 mm	2645	2943	58.9	41.1	25-55
4	4.75 mm	1811	4754	95.1	4.9	0-10
5	Pan	246	5000	100	0	-

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-03-10-11 **Date: 15/11/2021**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No.12 Shettyhalli Sub Division.

Agency : Sri Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-11-21

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/11/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Footing Concrete	M20	08.11.2021	15.11.2021	151.78 X 151.39 X 149.45	22978	8.973	426.2	18.5	18.2
2	Footing Concrete	M20	08.11.2021	15.11.2021	151.68 X 149.41 X 149.40	22663	8.687	409.7	18.1	
3	Footing Concrete	M20	08.11.2021	15/11/2021	151.87 X 149.02 X 150.77	22633	9.035	408.2	18.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/11/2021

Lab ID	:	CP-2022-03-10-11
Customer	:	Assistant Executive Engineer, Shettyhallli Sub Division, BBMP, Bangalore.
Address	:	Shettyhallli Sub Divisson, BBMP, Bangalore
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli Sub Division
Agency	:	Sri Shankarapppa M #32, Nisarga Road, Muneshwara Nagara Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-11-21
Customer ID	:	Pedastal
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5
Date of test	:	15/11/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Pedastal	M20	08/11/2021	15/11/2021	149.73 X 149.47 X 149.18	22380	8.415	412.9	18.4	18.4
2	Pedastal	M20	08/11/2021	15/11/2021	149.02 X 150.02 X 151.54	22356	8.153	412.9	18.5	
3	Pedastal	M20	08/11/2021	15/11/2021	150.46 X 151.03 X 149.90	22724	8.433	414.4	18.2	

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